

# GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	Jacobus Bulk Facility			<b>FID #</b>	
<b>BRRTS #:</b>	03-68-201781			<b>(if appropriate):</b>	
<b>COMMERCE #</b> (if appropriate):	53064-9999-96				
<b>CLOSURE DATE:</b>	February 28, 2003				
<b>STREET ADDRESS:</b>	W314 N7796 Kilbourn Rd				
<b>CITY:</b>	North Lake				
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>	652486	<b>Y =</b>	299919	
<b>CONTAMINATED MEDIA:</b>	Groundwater	<input type="checkbox"/>	Soil	<input checked="" type="checkbox"/>	Both <input type="checkbox"/>
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
<b>• IF YES, STREET ADDRESS:</b>					
<b>• GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>		<b>Y =</b>		
<b>OFF-SOURCE SOIL CONTAMINATION</b> >Generic or Site-Specific RCL (SSRCL):	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
<b>• IF YES, STREET ADDRESS 1:</b>					
<b>• GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>		<b>Y =</b>		
<b>CONTAMINATION IN RIGHT OF WAY:</b>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
<b><u>DOCUMENTS NEEDED</u></b>					
Closure Letter, and any conditional closure letter issued					<b>X</b>
Copy of most recent deed, including legal description, for all affected properties					<b>X</b>
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties					<b>X</b>
County Parcel ID number, if used for county, for all affected properties					<b>X</b>
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.					<b>X</b>
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.					<b>X</b>
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)					<b>X</b>
Tables of Latest Soil Analytical Results (no shading or cross-hatching)					<b>X</b>
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.					<b>X</b>
GW: Table of water level elevations, with sampling dates, and free product noted if present					<b>X</b>
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)					<b>X</b>
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour					<b>X</b>
Geologic cross-sections, if required for SI. (8.5x14' if paper copy)					<b>X</b>
RP certified statement that legal descriptions are complete and accurate					<b>X</b>
Copies of off-source notification letters (if applicable)					<b>X</b>
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)					<b>X</b>
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure					<b>X</b>



ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
101 West Pleasant Street, Suite 100A  
Milwaukee, Wisconsin 53212-3963  
TDD #: (608) 264-8777  
Fax #: (414) 220-5374  
<http://www.commerce.state.wi.us>  
<http://www.wisconsin.gov>  
**Jim Doyle, Governor**  
**Cory L. Nettles, Secretary**

February 28, 2003

Mr. Michael Helgesen  
Jacobus Energy, Inc.  
11815 West Bradley Road  
Milwaukee, WI 53224

RE: **Final Closure**

**Commerce # 53064-9999-96A&B** WDNR BRRTS # 03-68-201781  
Jacobus Bulk Facility, W314 N7796 Kilbourn Road, North Lake

Dear Mr. Helgesen:

The Wisconsin Department of Commerce (Commerce) has received all items required for closure of the site referenced above. This site is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, appropriate measures must be implemented to assure that it is managed following all applicable regulations. If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to protect and restore Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5361.

Sincerely,

A handwritten signature in black ink that reads 'Monica Weis'. The signature is fluid and cursive, with the first name 'Monica' being more prominent than the last name 'Weis'.

Monica L. Weis  
Hydrogeologist  
Site Review Section

cc: Mr. David Bauer, Sigma Environmental Services, Inc.  
Case File



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<http://www.wisconsin.gov>  
Jim Doyle, Governor  
Cory L. Nettles, Secretary

February 5, 2003

Mr. Michael Helgesen  
Jacobus Energy, Inc.  
11815 West Bradley Road  
Milwaukee, WI 53213

RE: **Conditional Case Closure**

**Commerce # 53064-9999-96 A&B** WDNR BRRS # 03-68-201781  
Jacobus Bulk Facility, W314 N7796 Kilbourn Road, North Lake

Dear Mr. Helgesen:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Sigma Environmental Services, Inc., for the site referenced above. It is understood that residual soil contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

During the final groundwater sampling event conducted on May 13, 2002, the preventive action limit (PAL) for chrysene was exceeded at monitoring well MW-4 at 0.0224 parts per billion. Commerce is issuing a PAL exemption, per NR 140.28(2), Wis. Adm. Code, for chrysene at the referenced property.

**The following condition must be satisfied to obtain final closure:**

- All groundwater monitoring wells must be properly abandoned and the appropriate documentation forwarded to Commerce at the letterhead address.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect and restore Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5361.

Sincerely,

A handwritten signature in black ink that reads 'Monica L. Weis'. The signature is written in a cursive, flowing style.

Monica L. Weis  
Hydrogeologist  
Site Review Section

cc: Mr. David Bauer, Sigma Environmental Services, Inc.  
Case File

This indenture, Made this 8th day of April 1970  
 between ELROY O. SCHWEITZER and MARIE C. SCHWEITZER, his wife, A. D. 19.

part ies of the first part, and  
HILLSIDE REALTY CO.  
 a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee  
 Wisconsin, party of the second part.

Witnesseth, That the said part ies of the first part, for and in consideration of the sum of one dollar and  
other consideration,

to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Waukesha and State of Wisconsin, to-wit:

All that part of the North One-half (1/2) of Section Sixteen (16), Township Eight (8) North, Range Eighteen (18) East, Town of Merton, Waukesha County, Wisconsin bounded and described as follows:

Commencing at the center of Section 16; thence North along the N-S 1/4 line of Section 16, 1326.45 feet to a point 13.00 feet South of the center line of the tracks of the C.M. ST. P&P R.R.; thence South 89° 06' 00" East, along the southerly R.O.W. of said R.R., 94.00 feet to the center line of Monches Road; thence South 40° 44' 45" West, along said center line 144.00 feet to the N-S 1/4 line; thence North 69° 03' 15" West, along the center line of S.T.H. "83", 38.17 feet; thence North, 97.47 feet to the Southerly line of said R.R. R.O.W.; thence South 89° 06' 00" East, 35.65 feet to the place of beginning.

(Description continued on reverse side)

FEE

# 7725(3)

EXEMPT

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part ies of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

Us have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said ELROY O. SCHWEITZER and MARIE C. SCHWEITZER, his wife,

for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the enrolling and delivery of these presents, they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever except easements of record; all laws and ordinances regulating and restricting the use of the real estate; 1970 general and special taxes; rights of tenants in possession;

and that the above bargained premises in the quiet and peaceful possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.

In Witness Whereof, the said part ies of the first part have hereunto set their hands, and seals, this 8th day of April A. D. 1970

SIGNED AND SEALED IN PRESENCE OF

Irving Lowe

Miriam Lowe

Elroy O. Schweitzer

Marie C. Schweitzer

STATE OF WISCONSIN,

County of Milwaukee ss.

Personally came before me, this 8th day of April A. D. 1970  
ELROY O. SCHWEITZER and MARIE C. SCHWEITZER, his wife,  
 the above named.

to me known to be the person S who executed the foregoing instrument and acknowledged the same.

Received for Record this \_\_\_\_\_ day of \_\_\_\_\_

A. D. 19\_\_\_\_ at \_\_\_\_\_ o'clock \_\_\_\_\_ M.

(SEAL)

Register of Deeds

Deputy Register of Deeds

Notary Public, Milwaukee County, Wis.

My commission expires XXXX permanent A. D. 19XXXX

This instrument was drafted by: IRVING LOWE, 4353 W. Pond du Lac Ave., Milwaukee, Wis.

(Description continued from reverse side)

All that part of the North One-half (1/2) of Section Sixteen (16), Township Eight (8) North, Range Eighteen (18) East, Town of Merton, Waukesha County, Wisconsin, bounded and described as follows:

Commencing at the center of Section 16; thence North along the N-S 1/4 line of Section 16, 1326.45 feet to a point 13.00 feet south of the center line of the tracks of the C.M. ST. P&P R.R.; thence South 89° 06' 00" East 94.00 feet to the place of beginning; thence continuing South 89° 06' 00" East, 71.00 feet; thence South, 57.00 feet; thence North 89° 06' 00" West, 125.37 feet to the center line of Monches Road; thence North 40° 44' 45" East, 74.10 feet to the place of beginning.

All that part of the North one-half (1/2) of Section Sixteen (16), Township Eight (8) North, Range Eighteen (18) East, Town of Merton, Waukesha County, Wisconsin bounded and described as follows:

Commencing at the center of Section 16; thence north along the N-S 1/4 line of Section 16; 1405.45 feet to a point 66.00 feet North of the center line of tracks of the C.M. St. P&P R.R.; thence South 89° 06' 00" East, 165.00 feet to the northerly line of the Monches Road; thence North 59° 30' 35" east along said Northerly line 257.24 feet to the Southerly line of the C.N.W. Railway R.O.W.; thence North 89° 06' 00" West, 796.76 feet to the Northerly line of S.T.H. "83"; thence South 30° 44' 27" East, along said Northerly line, 157.37 feet; thence South 89° 06' 00" East, 329.62 feet to the place of beginning.

The Grantors acknowledge that they are deeding herein not only their present interest, but whatever future survivorship interest they may have.

No.

TO

### Warranty Deed

This instrument should be immediately filed on file to avoid trouble and litigation

This space reserved for  
Register of Deeds

REGISTER'S OFFICE

Waukesha Co., Wis.

RECEIVED FOR RECORDING 2-10-1918

FILED 2-10-1918

OF 1188

OF 416

OF 1188

OF 416

Return to

Peter M. Sommerhauser, Esq.  
Godfrey & Kahn, S.C.  
780 North Water Street  
Milwaukee, Wisconsin 53202

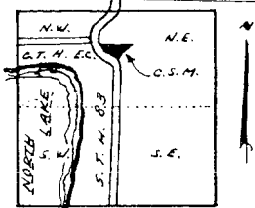
Jacobus Energy, Inc., the responsible party for the property located at W314 N7796 Kilbourn Road, North Lake, Wisconsin, states that the legal description provided to the Wisconsin Department of Natural Resources (and attached to this statement) for case file reference 03-68-201781 is complete and accurate to the best of our knowledge.

Michael F. Helgeren  
Signature of Representative for Responsible Party:

12-30-02  
Date:

1623759

## SECTION 16-8-18

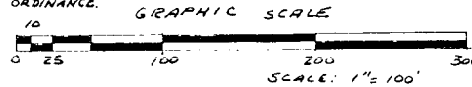
LOCATION MAP  
SCALE: 1" = 4000'

## CERTIFIED SURVEY MAP No. 6316

BEING A PART OF THE N.E. 1/4 & S.E. 1/4 OF THE N.E. 1/4  
AND PART OF THE N.E. 1/4 & S.E. 1/4 OF THE N.W. 1/4 OF  
SECTION 16, TOWN 8 NORTH, RANGE 18 EAST, IN THE  
TOWN OF MERTON, WAUKESHA CO., WISC.

## NOTE:

THE ENTIRE LAND AREA OF THIS C.S.M.  
IS WITHIN THE JURISDICTIONAL LIMITS  
OF THE WAUKESHA COUNTY SHORELAND &  
FLOODLAND PROTECTION ORDINANCE.



## OWNERS:

QUICKFLASH-JACOBUS, CORP.  
2323 NO. MAYFAIR RD.  
MILWAUKEE, WISC.  
53226

1623759

REGISTER'S OFFICE)

Waukesha Co. Wis.

No.

RECEIVED FOR RECORD THE 27th DAY

November, A.D. 1990, AT 11:45

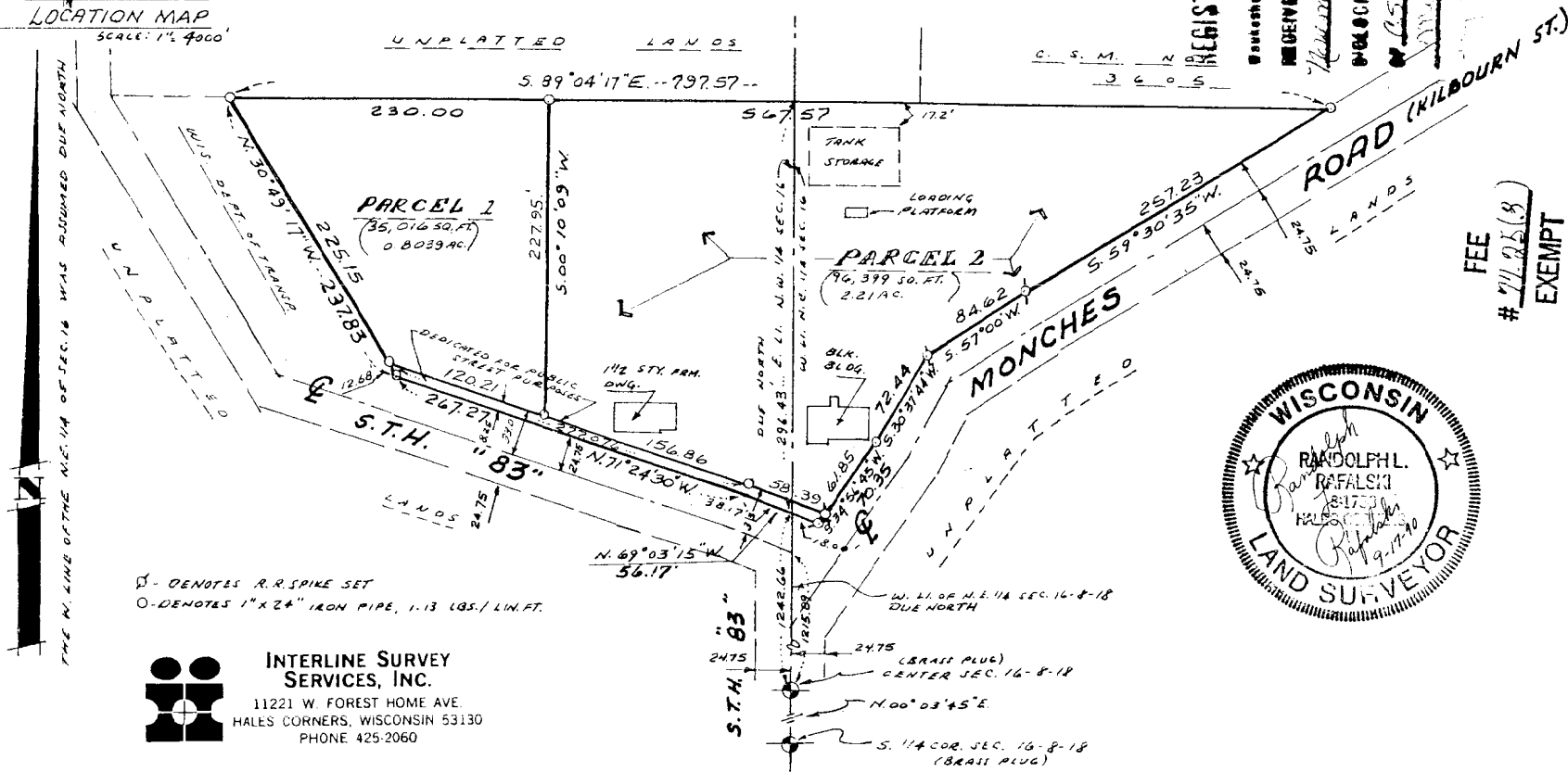
CLOCK A.M. &amp; RECORDED IN 266.52

C.S.M. ON page 124-125

REGISTERED

SHEET 1 OF 4  
JOB NO. 18297

124

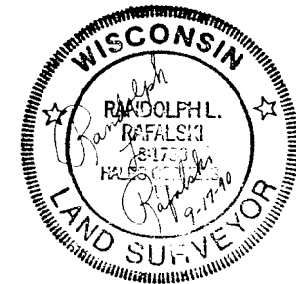


S - DENOTES R.R. SPIKE SET

O - DENOTES 1" X 24" IRON PIPE, 1.13 LBS./LIN. FT.

INTERLINE SURVEY  
SERVICES, INC.

11221 W. FOREST HOME AVE.  
HALES CORNERS, WISCONSIN 53130  
PHONE 425-2060



FEE  
# 74.25 (8)  
EXEMPT

CERTIFIED SURVEY MAP NO. 6316

being a part of the N.E. 1/4 and S.E. 1/4 of the N.E. 1/4 and part of the N.E. 1/4 and S.E. 1/4 of the N.W. 1/4 of Section 16, Town 8 North, Range 18 East, in the Town of Merton, Waukesha County, Wisconsin.

SURVEYOR'S CERTIFICATE

STATE OF WISCONSIN) SS  
MILWAUKEE COUNTY)

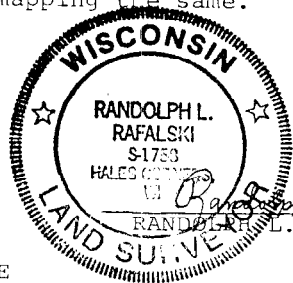
I, RANDOLPH L. RAFALSKI, registered land surveyor, do hereby certify: THAT I have surveyed, mapped, and divided a part of the N.E. 1/4 and S.E. 1/4 of the N.E. 1/4 and part of the N.E. 1/4 and S.E. 1/4 of the N.W. 1/4 of Section 16, Town 8 North, Range 18 East, in the Town of Merton, Waukesha County, Wisc., bounded and described as follows: Commencing at a brass plug at the center of Section 16; thence due North along the east line of the Northwest 1/4 of Section 16, 1242.66 feet to a point on the north line of S.T.H. "83"; said point being the point of beginning of the lands to be described; thence N.69°03'15"W., 38.17 feet to a point; thence continuing along said north line of said S.T.H. "83", N.71°24'30"W., 267.27 feet to a point; thence N.30°49'17"W., 237.83 feet to a point; thence S.89°04'17"E., 797.57 feet to a point on the westerly line of Monches Road; thence S.59°30'35"W., along said westerly line, 257.23 feet to a point; thence continuing along said westerly line, S.57°00'00"W., 84.62 feet to a point; thence continuing along said westerly line, S.30°37'44"W., 72.44 feet to a point; thence continuing along said westerly line, S.34°56'45"W., 70.35 feet to a point on the Northerly line of S.T.H. "83"; thence N.69°03'15"W., along said northerly line of S.T.H. "83", 18.00 feet to a point on the west line of the Northeast 1/4 section, and the point of beginning. Containing 3.079 Acres.

THAT I have made this survey, land division, and map by the direction of the JACOBUS COMPANY, INC., owner of said land.

THAT such map is a correct representation of all the exterior boundaries of the land surveyed, and the land division hereof made.

THAT I have fully complied with the provision of Chapter 236 of the Wisconsin Statutes and the ordinances of the Town of Merton in surveying, dividing, and mapping the same.

Dated: September 17, 1990.



CORPORATE OWNERS' CERTIFICATE

The JACOBUS COMPANY, ~~INC.~~, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin as owner, does hereby certify that said corporation caused the lands described on this plat to be surveyed, divided, and mapped, as represented on this plat.



CERTIFIED SURVEY MAP NO. 6312

being a part of the N.E. 1/4 and S.E. 1/4 of the  
N.E. 1/4 and part of the N.E. 1/4 and S.E. 1/4 of  
the N.W. 1/4 of Section 16, Town 8 North, Range  
18 East, in the Town of Merton, Waukesha County,  
Wisconsin.

IN WITNESS WHEREOF, the JACOBUS COMPANY, ~~INC.~~, has caused these  
presents to be signed by CHARLES JACOBUS, President, and countersigned  
by ~~John Jacobus~~ its Secretary, and its Corporate Seal  
to be hereunto affixed on this 12th day of November,  
1990.

In the presence of:

Charles Jacobus  
CHARLES JACOBUS, President

John Jacobus  
Secretary

STATE OF WISCONSIN)  
MILWAUKEE COUNTY) SS

PERSONALLY came before me this 12th  
day of November, 1990, CHARLES JACOBUS, President and  
Secretary of the above corporation, to me known  
to be such President and Secretary of said Corporation and acknowledged  
that they executed the foregoing instrument as such officers as the  
deed of said corporation by its authority.

(SEAL)

My Commission expires MY COMMISSION EXPIRES AUGUST 31, 1992.

John B. Gite  
Notary public, Waukesha County Wisconsin.

PLAN COMMISSION APPROVAL

APPROVED by the Plan Commission of the Town of Merton on this  
7th day of November, 1990.

Edwin B. Gite  
Chairman

Francis B. Gite  
Secretary



Sheet 3 of 4  
Job No. 18297

CERTIFIED SURVEY MAP NO. 6316

being a part of the N.E. 1/4 and S.E. 1/4 of the  
N.E. 1/4 and part of the N.E. 1/4 and S.E. 1/4 of  
the N.W. 1/4 of Section 16, Town 8 North, Range  
18 East, in the Town of Merton, Waukesha County,  
Wisconsin.

TOWN BOARD APPROVAL

APPROVED by the Town Board of the Town of Merton on this  
13<sup>th</sup> day of November, 1990.

Edwin B. Czeliga  
Chairman

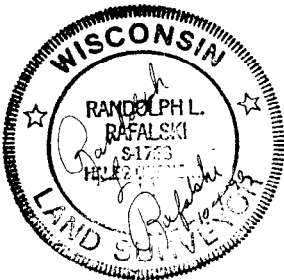
Jeanne Ann Frederickson  
Town Clerk

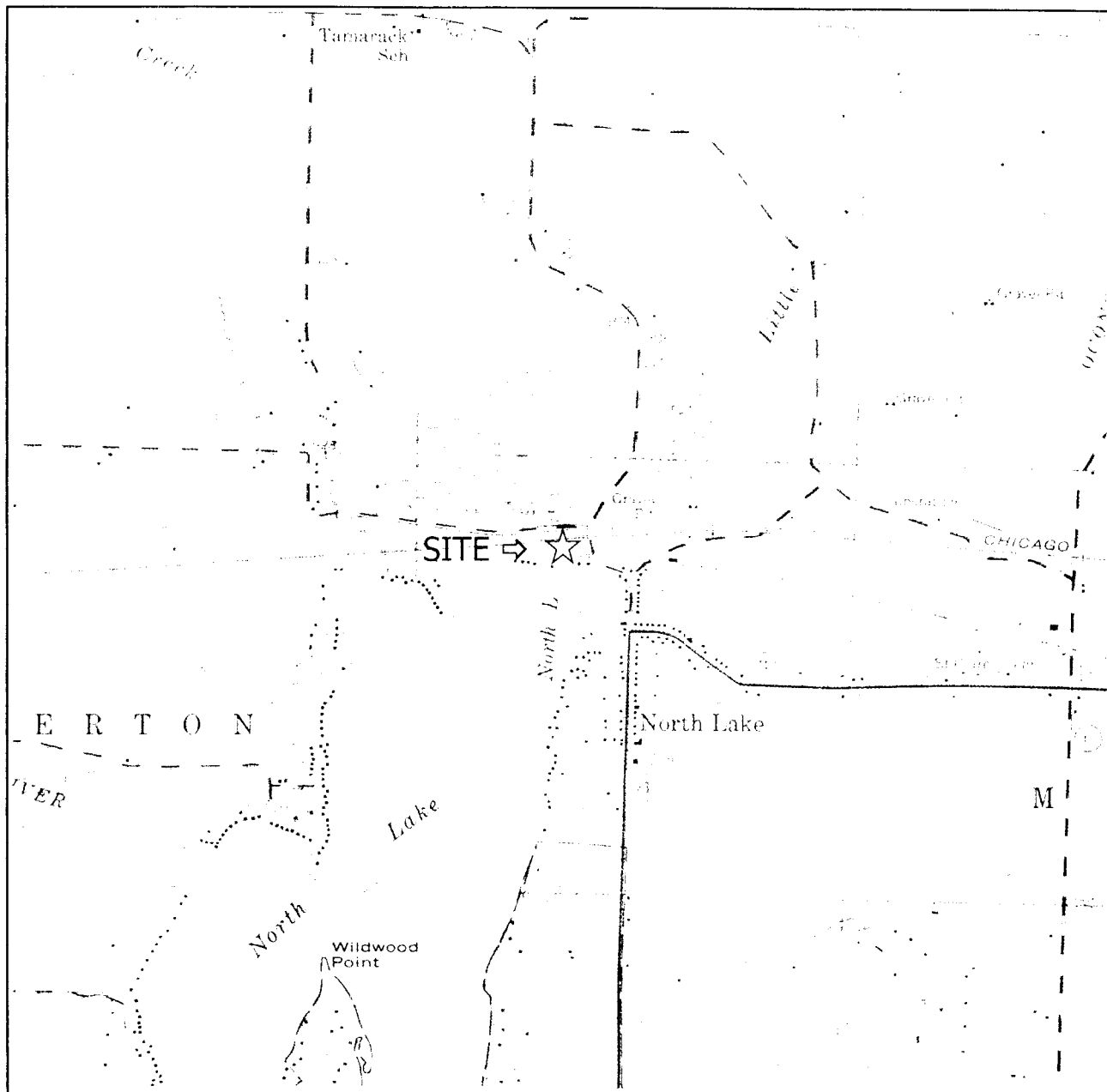
WAUKESHA COUNTY APPROVAL

APPROVED by the Waukesha County Park and Planning Commission  
on this 4 day of October, 1990.

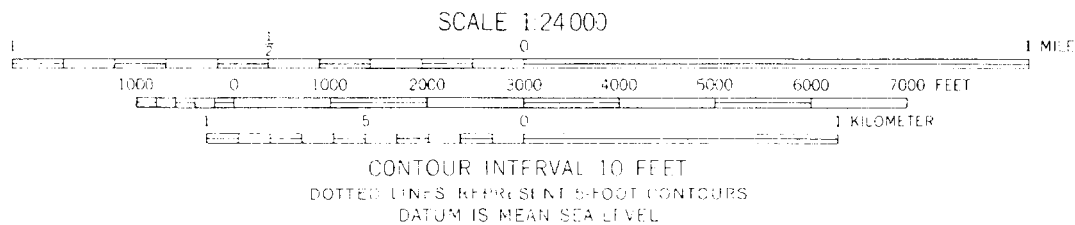
Walter T. Tarmann  
WALTER TARMANN Executive Director

This instrument was drafted by Randolph L. Rafalski.





NE ¼ of the NW ¼ of Sec. 16, T8N, R18E Adapted from U.S.G.S. 7.5 minute series, Merton and Stonebank, Wisconsin, quadrangles dated 1959 (photorevised 1971, photoinspected 1976).



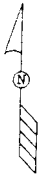
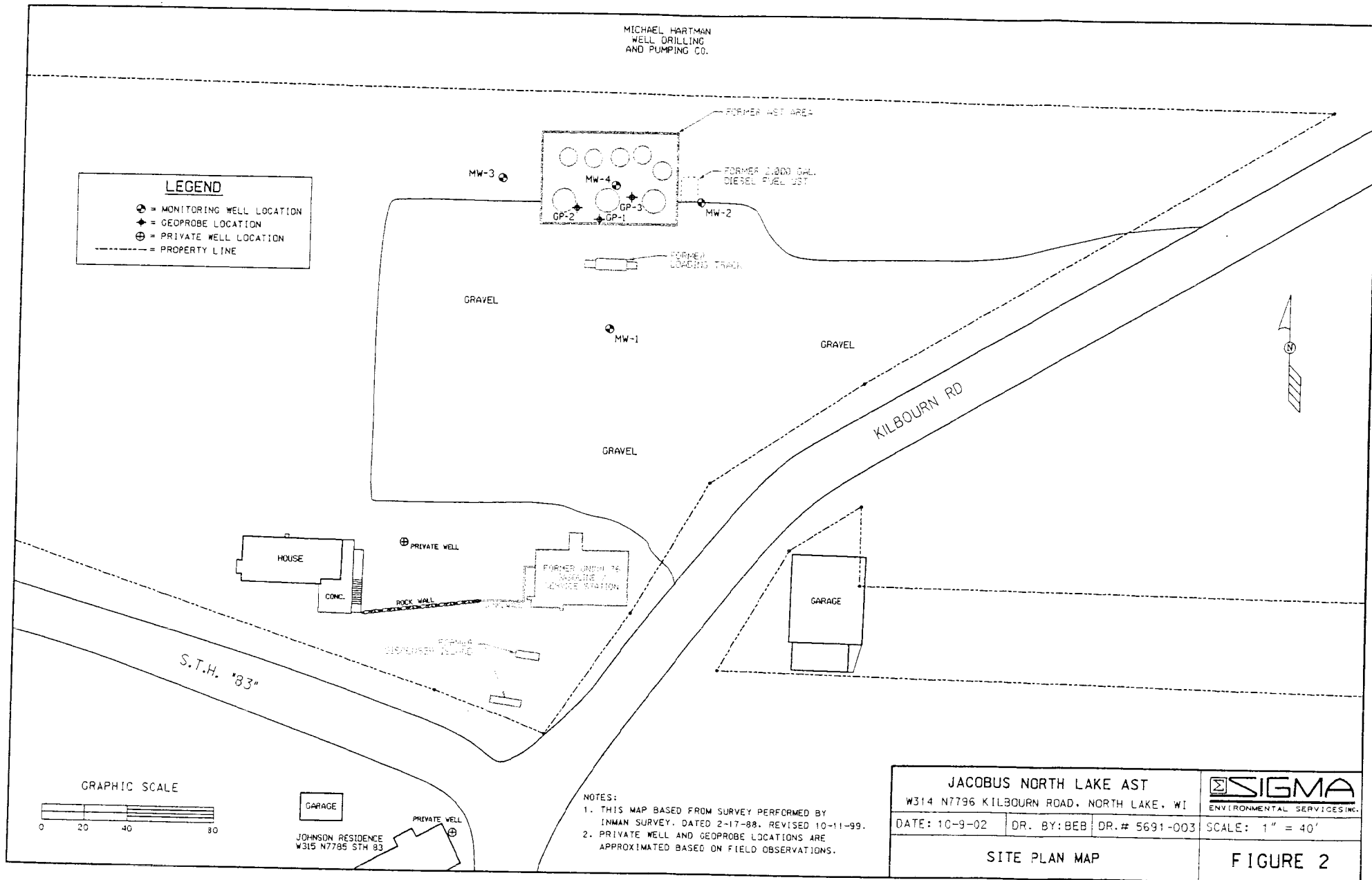
**Figure 1. Site Location Map**  
Former Jacobus Energy North Lake Bulk Fuel Facility  
W314 N7796 Kilbourn Rd., North Lake, Wisconsin

**SIGMA**  
ENVIRONMENTAL SERVICES INC.

MICHAEL HARTMAN  
WELL DRILLING  
AND PUMPING CO.

# LEGEND

- ⊗ = MONITORING WELL LOCATION
- ◆ = GEOPROBE LOCATION
- ⊕ = PRIVATE WELL LOCATION
- - - = PROPERTY LINE



GRAPHIC SCALE



GARAGE  
JOHNSON RESIDENCE  
W315 N7796 STH 83  
PRIVATE WELL

## NOTES:

1. THIS MAP BASED FROM SURVEY PERFORMED BY INMAN SURVEY, DATED 2-17-88, REVISED 10-11-99.
2. PRIVATE WELL AND GEOPROBE LOCATIONS ARE APPROXIMATED BASED ON FIELD OBSERVATIONS.

JACOBUS NORTH LAKE AST

W314 N7796 KILBOURN ROAD, NORTH LAKE, WI

DATE: 10-9-02

DR. BY: BEB

DR. # 5691-003

**SIGMA**  
ENVIRONMENTAL SERVICES INC.

SCALE: 1" = 40'

SITE PLAN MAP

FIGURE 2

**TABLE 2**  
**SOIL LABORATORY ANALYTICAL RESULTS**  
**JACOBUS BULK FACILITY**  
**W314 N7796 Kilbourn Road**  
**North Lake, Wisconsin**  
**Project Reference #5691**

Sample		GP-1	GP-2	GP-3	NR 720	COMM 46	COMM 46
Date		04/20/2001	04/20/2001	04/20/2001			
Depth (feet bgs)	Units	4-6	8-10	10-12	RCL	Table 1	Table 2
<b>Analyte</b>							
GRO	mg/kg	57	<b>376</b>	<b>335</b>	100	**	**
DRO	mg/kg	<b>3,580</b>	<b>6,310</b>	<b>1,510</b>	100	**	**
<b>Petroleum Volatile Organic Compounds</b>							
Benzene	µg/kg	<55	<303	<25	5.5	8,500	1,100
Ethylbenzene	µg/kg	<55	<303	<25	2,900	4,600	**
Methyl-tert-Buryl-Ether	µg/kg	<55	<303	<25	**	**	**
Toluene	µg/kg	<55	<303	<25	1,500	38,000	**
1,2,4-Trimethylbenzene	µg/kg	123	1,190	<25	**	83,000	**
1,3,5-Trimehtylbenzene	µg/kg	<55	2,550	<25	**	11,000	**
Xylenes	µg/kg	<168	910	30.9	4,100	42,000	**
					Suggested Generic RCLs <sup>1</sup> Direct Contact Pathway		
<b>Polynuclear Aromatic Hydrocarbons</b>					Groundwater	Non-Industrial	
Anthracene	µg/kg	<70	704	40	3,000,000	5,000,000	**
Benzo (a) anthracene	µg/kg	<b>1,900</b>	<b>6,800</b>	<b>540</b>	17,000	88	**
Chrysene	µg/kg	268	1,460	<5.4	37,000	8,800	**
Fluoranthene	µg/kg	2,460	14,600	367	500,000	600,000	**
Fluorene	µg/kg	<138	<150	53	100,000	600,000	**
1-Methylnaphthalene	µg/kg	<425	2,910	346	23,000	1,100,000	**
2-Methylnaphthalene	µg/kg	<350	2,430	367	20,000	600,000	**
Naphthalene	µg/kg	<425	<b>2,670</b>	<32	400	20,000	**
Phenanthrene	µg/kg	447	<b>2,060</b>	86	1,800	18,000	**
Pyrene	µg/kg	1,570	13,300	648	8,700,000	500,000	**
<b>Key:</b> <div style="display: flex; justify-content: space-between;"> <div> ** = No Established Standard  NA = Not Analyzed  DRO = Diesel Range Organics  GRO = Gasoline Range Organics  µg/kg = micrograms per kilogram  mg/kg = milligrams per kilogram  <b>BOLD</b> = Exceeds NR 720 RCLs, and suggested RCLs Direct Contact Groundwater Pathway  <b>BOLD</b> = Exceeds suggested RCLs Direct Contact Non-Industrial Pathway </div> <div> <sup>1</sup> = Soil Cleanup Levels for PAHs Interim Guidance (Publication RR-519-97) </div> </div> NR 720 RCL Chapter NR 720 Generic Residual Contaminant Level COMM 46 Table 1 Indicators of Residual Petroleum Products. COMM 46 Table 2 Protection of Human Health from Direct Contact with Contaminated Soil.							

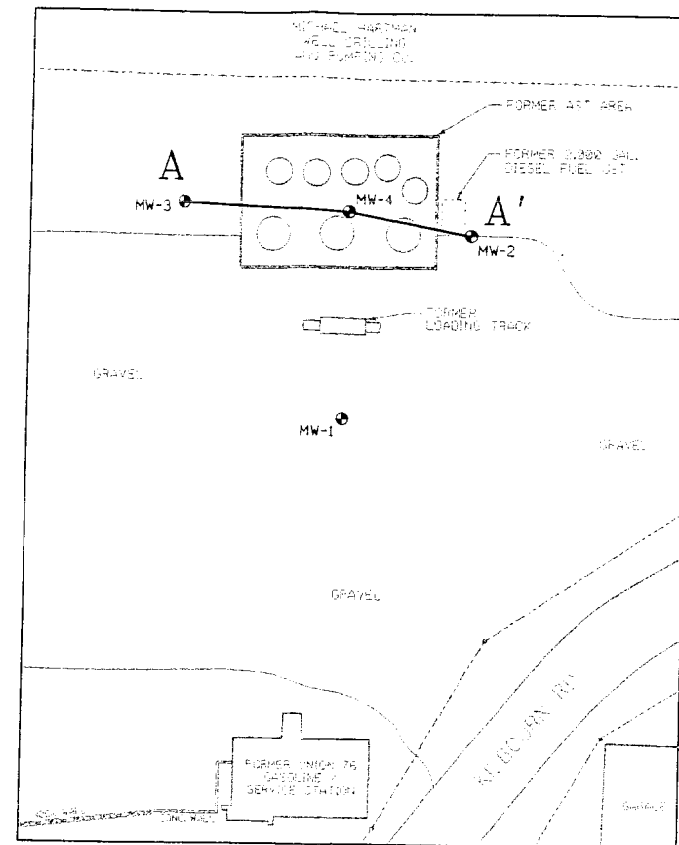
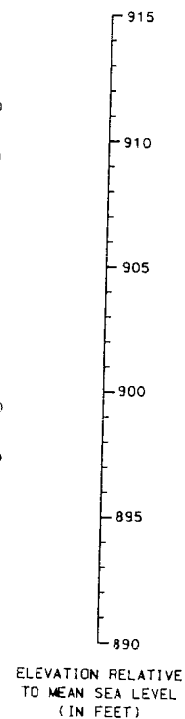
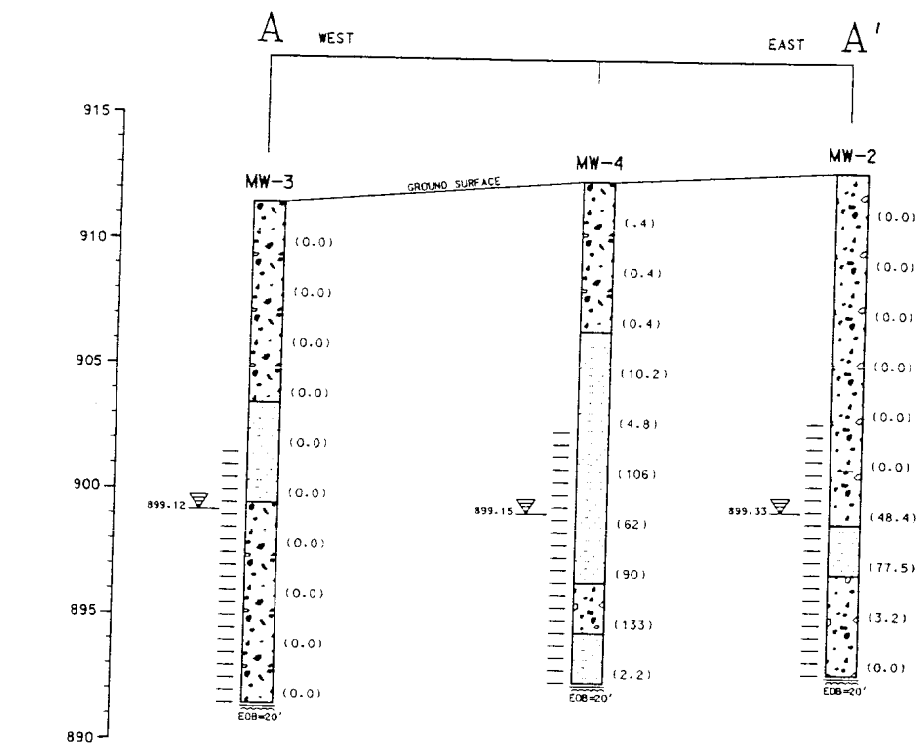
TABLE 2  
SOIL LABORATORY ANALYTICAL RESULTS  
JACOBUS BULK FACILITY  
W314 N7796 Kilbourn Road  
North Lake, Wisconsin  
Project Reference #5691

Sample		MW-1	MW-2	MW-3	MW-4	MW-4	NR 720	COMM 46	COMM 46
Date		10/28/1999	10/28/1999	10/28/1999	05/02/2002	05/02/2002			
Depth	Units	12-14	14-16	12-14	2-4	10-12	RCL	Table 1	Table 2
<b>Analyte</b>									
GRO	mg/kg	<5.38	<b>1,360</b>	<5.24	16.4	22.4	100	**	**
DRO	mg/kg	<5.38	<b>225</b>	<5.24	58.3	<b>460</b>	100	**	**
<b>Petroleum Volatile Organic Compounds</b>									
Benzene	µg/kg	<25	<400	<25	<25	<25	5.5	8,500	1,100
Ethylbenzene	µg/kg	<25	1,160	<25	<25	<25	2,900	4,600	**
Methyl-tert-Buryl-Ether	µg/kg	<25	<400	<25	<25	<25	**	**	**
Toluene	µg/kg	<25	<b>1,520</b>	<25	<25	<25	1,500	38,000	**
1,2,4-Trimethylbenzene	µg/kg	<25	4,040	<25	154	25.7	**	83,000	**
1,3,5-Trimehtylbenzene	µg/kg	<25	1,170	<25	158	<25	**	11,000	**
Xylenes	µg/kg	<25	<b>5,860</b>	30.9	34.6	<25	4,100	42,000	**
							Suggested Generic RCLs Direct Contact Pathway		
<b>Polynuclear Aromatic Hydrocarbons</b>							Groundwater	Non-Industrial	
Acenaphthene	µg/kg	<3.12	94.8	<3.04	<100	<100	38,000	900,000	**
Fluorene	µg/kg	<2.9	457	<2.83	<100	<100	100,000	600,000	**
1-Methyl Naphthalene	µg/kg	<3.98	136	<3.88	<100	<100	23,000	1,100,000	**
2-Methyl Naphthalene	µg/kg	<4.62	66.3	<4.51	<100	<100	20,000	600,000	**
Phenanthrene	µg/kg	<2.37	374	<2.31	<100	<100	1,800	18,000	**

Key:

\*\* = No Established Standard      <sup>1</sup> = Soil Cleanup Levels for PAHs Interim Guidance (Publication RR-519-97)  
 NA = Not Analyzed  
 ND = Not Detected  
 DRO = Diesel Range Organics  
 GRO = Gasoline Range Organics  
 µg/kg = micrograms per kilogram  
 mg/kg = milligrams per kilogram  
**BOLD** = Exceeds NR 720 RCLs  
 1 = Soil Cleanup Levels for PAHs Interim Guidance (Publication RR-519-97)  
 NR 720 RCL Chapter NR 720 Generic Residual Contaminant Level  
 COMM 46 Table 1 Indicators of Residual Petroleum Products.  
 COMM 46 Table 2 Protection of Human Health from Direct Contact with Contaminated Soil.





**GEOLOGIC CROSS SECTION LOCATION MAP**  
SCALE - 1" = 40'

NOTES:  
HORIZONTAL SCALE 1" = 20'  
VERTICAL SCALE 1" = 5'

JACOBUS NORTH LAKE AST W314 N7796 KILBOURN ROAD, NORTH LAKE, WI			
DATE: 7-3-02	DR. BY: BEB	DR. # 5691-005	
GEOLOGIC CROSS SECTION A - A'			FIGURE 3



**TABLE 1**  
**STATIC GROUNDWATER ELEVATION MEASUREMENTS**  
**JACOBUS BULK FACILITY**  
**W314 N7796 Kilbourn Road**  
**North Lake, Wisconsin**

Well Identification	Elevation Top Of Casing	Depth to Water	Groundwater Elevation	Date
MW-1	911.95	13.66	898.29	11/05/1999
		13.36	898.59	03/07/2000
		11.38	900.57	06/13/2000
		12.54	899.41	05/02/2001
		12.79	899.16	05/13/2002
MW-2	913.37	15.04	898.33	11/05/1999
		14.72	898.65	03/07/2000
		12.69	900.68	06/13/2000
		13.87	899.50	05/02/2001
		14.14	899.23	05/13/2002
MW-3	912.07	13.82	898.25	11/05/1999
		13.54	898.53	03/07/2000
		11.55	900.52	06/13/2000
		12.69	899.38	05/02/2001
		12.95	899.12	05/13/2002
MW-4	912.89	13.74	899.15	05/13/2002
Elevations referenced to a USGS benchmark elevation 926.91 feet MSL.				

